

ARGUMENTS

Independent claim 1, as currently amended, and dependent claims 2 to 5, as currently amended, remain in this application. Dependent claim 6 has been added. The claims, as previously presented, have been rejected in view of Paul 4,873,809, Rogers 4,580,387, and Carty 4,775,121.

Currently amended Claim 1 is directed to a hold down clip having downwardly biased hinges connecting the legs and arms of the clip that exert retaining forces to keep a panel in place on the beams. The clip is integrally formed of synthetic resin in one piece, with relatively rigid arms and legs, and relatively flexible hinges.

Currently amended dependent claims 2 through 5, and new claim 6, include the limitations of claim 1.

Paul discloses a clip made of metal, with spring sides, with a cut-out section in the sides of the clip. The sides of the clip, including the cut-out portions, bend in an arc when used to secure ceiling tile. Such a bent side is not a downwardly biased hinge as disclosed and claimed in the subject application, where the hinge acts not only as a pivot between a relatively rigid arm and a rigid leg of the clip, but also provides the downward forces necessary to hold the panel in place.

Rogers is a plastic clip with no hinge at all.

Carty, a plastic clamp, holds cables that run along walls. Carty has no downwardly biased hinge that provides forces that hold a panel in place. On the contrary, the hinge of Carty is

purposely extremely flaccid, so that the elements that it joins can be easily maneuvered in any direction.

In column 2, lines 16 to 18, of Carty, it is stated:

"A hinge member rotatable on the X, Y and Z axes connects one end of the support member with one end of the arm."

In column 4, lines 52 to 62, it is stated:

"When it becomes necessary to remove the cables from the clamp 10, the flexibility provided by the hinge 16 enables the operator to move the retaining arm in a side-wise direction or along the direction of the locking surfaces 50, 51, 52 and 53 to a position where the locking member 36 is no longer in engagement with the slotted opening 38. This is accomplished due to the flexibility of the hinge 16 in both the opening and closing motion of the retaining arm 14 and a motion at right angles to the opening and closing motion of the retaining arm."

Clearly, Carty does not teach a bias in the hinge that exerts a holding force. His hinge can be turned in any direction with equal ease. It provides a connection but no biasing force. If anything, Carty leads away from the concept of a biasing force, and no one would be led toward such bias and force.

Thus, even if all three references were combined, a critical part of the invention, as disclosed and now claimed, would be lacking.

Appl. No. 10/670,923
Response dated January 30, 2006
Reply to Office Action of October 31, 2005

Also, there is nothing to suggest the combination of the three references, absent the teaching of the present invention.

One would not know what to combine and what to eliminate to achieve such a combination.

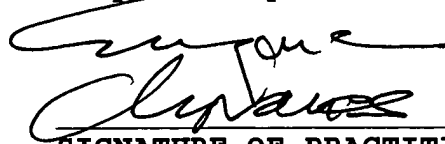
The Patent Office Board of Appeals has held, in an appeal in the very field of the present invention, that an applicant's teaching cannot be used to combine references to render the invention obvious. Patent and Trademark Office Board of Appeal and Interference decision in Appeal No. 93-4004, dated June 29, 1994. A copy of this decision is attached as Appendix "A".

In summary, nothing in the three cited references suggests a combination to yield the present invention as now claimed. Even if the three references were combined, the critical limitation in the claim that the hinge biases the legs downward to exert a retaining force on the panels, which is the essential purpose of the present invention, is lacking.

In view of the above amendments and arguments, applicant respectfully requests reconsideration of the application, and early allowance of the claims.

30 January
2006

Respectfully submitted,



SIGNATURE OF PRACTITIONER

Eugene Chovanes
Jackson and Chovanes
Suite 319, One Bala Plaza
Bala Cynwyd, PA 19004

Reg. No. 20,373
Tel. No. (610) 667-4392
Fax No. (610) 667-4394

9776



MAILED

JUN 29 1994

PAT. & T.M. OFFICE
BOARD OF PATENT APPEALS
AND INTERFERENCES

Paper No. 39

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE BOARD OF PATENT APPEALS
AND INTERFERENCESEx parte DONN, INC.¹Appeal No. 93-4004
Reexamination 90/002,225²HEARD:
June 3, 1994Before STONER, LYDDANE, and MEISTER, Administrative Patent
Judges.

STONER, Administrative Patent Judge.

DECISION ON APPEAL

¹ Although the request for reexamination was filed in the name of USG Interiors, Inc. as the present owner of the patent under reexamination by virtue of assignment and merger, nevertheless, as indicated in Paper No. 3, the patent owner of record remains Donn, Inc.

² Request filed December 11, 1990, for the Reexamination of Patent No. 4,779,394, issued to Richard Shirey, Gerald L. Koski, Jonathan P. Teli and David F. Mieval on October 25, 1988.

The patent owner appeals from the examiner's final rejection of claims 2, 3 and 6 through 26, in the final Office action mailed September 15, 1992. As the patent owner has pointed out at page 2 of the brief filed July 9, 1993,³ amendments after final rejection filed on December 23, 1992 and January 25, 1993, have been approved for entry.⁴ Claims 1, 4 and 5 have been canceled by the patent owner. We reverse.

The claimed invention relates to a suspension ceiling grid system. Like the examiner, we consider the summary contained in the brief (pages 2 through 7) correct and direct attention thereto. Claims 11 and 19 are illustrative of the subject matter on appeal and read as follows:

11. A suspension ceiling grid system comprising elongated grid runners interconnected at intersections including a through-runner and two opposed runner ends connected together on opposite sides of said through-runner, said runners including a web, an elongated vertically extending opening in the web of said through-runner having an upper end extremity and a lower end extremity, said through-runner web providing two remote sides, one of said two opposed runner ends being associated with one of said two remote sides, the other of said two opposed runner ends being associated with the other of said two remote sides,

³ All references to the brief in this decision are directed to the substitute brief filed July 9, 1993. The briefs filed February 9, 1993 and May 12, 1993, were ruled defective by the examiner.

⁴ We note that the former amendment has not yet been clerically entered, despite bearing the examiner's approval thereon.

generally planar end connectors on the ends of said opposed runners projecting into said opening [form] from opposite sides thereof, said connectors providing first lock means each operable to project through said opening and move lengthwise of said opening between a release position and a locked position in which said first lock means [engages the remote side of said web] provides a lateral projection extending beyond one end extremity of said opening along the associated remote side of said through-runner web for engagement therewith, each runner providing a flange along one edge of said web, said flange of each of said opposed runner ends engaging an adjacent side of said flange of said through-runner, said flange of said through-runner normally maintaining said lateral projection beyond said one end extremity of said opening along the associated remote side of said through-runner web, said flange of said through-runner being temporarily deflectable to permit passage of said projection through said through-runner opening, said connectors also providing connector-to-connector locking means directly interconnecting said connectors in a direction lengthwise of said opening and preventing relative longitudinal movement of said opposed runners in a direction away from each other.⁵

19. Elongated runners for suspension ceiling grid systems adapted to be interconnected at intersections including a through-runner and opposed runner ends connected to said through-runner on opposite sides thereof comprising through-runners providing a web having an elongated vertically extending opening therethrough having an upper end extremity and a lower end extremity, said web of said through-runner having two remote sides, one of said opposed runner ends being associated with one of said two remote sides, the other of said opposed runner ends being associated with the other of said two remote sides, opposed runners providing generally planar connectors at their ends adapted to extend through said opening, said connectors providing first lock means including [a projection along one edge thereof] an upper lateral projection along an upper edge thereof adapted to be positioned in alignment with the associated remote side of said through-runner web beyond [one] said upper end extremity of said opening, said first lock means also including a lower lateral projection along the lower edge of said connectors adapted to be positioned in alignment with the associated remote

⁵ Consistent with the specification, we understand the language of claim 2 regarding "said first-end-end-lock" to be a reference back to the "first lock means" recited in claim 11.

Appeal No. 93-4004
Reexamination 90/002,225

side of said through-runner web beyond the lower end extremity of said opening, said connectors also providing second lock means adapted to interconnect two connectors extending through said opening on both sides of said opening by relative movement between said connectors lengthwise of said opening.⁶

The references relied upon by the examiner are:

Brown et al. (Brown)	3,501,185	Mar. 17, 1970
Sauer	4,317,641	Mar. 2, 1982

Claims 2, 6 through 23, 25 and 26 stand rejected under 35 USC 103 as unpatentable over Brown, while claim 24 stands rejected under 35 USC 103 as unpatentable over Brown in view of Sauer. Rather than reiterate the examiner's statements of these rejections, we direct attention to pages 2 through 4 of the answer mailed August 11, 1993.

Having carefully considered the respective positions expressed in the examiner's answer and supplemental answer (mailed December 16, 1993), and in the patent owner's brief and reply brief, filed September 13, 1993, it is our determination that the examiner's rejections of these claims must be reversed. We find ourselves in agreement with the position expressed by the

⁶ Consistent with the specification, we understand the recitation in claim 6 of "said connector-to-connector lock" to be a reference back to the same structure termed a "second lock means adapted to interconnect two connectors" recited in claim 19.

patent owner that the suspension ceiling grid system of Brown is not one in which the flange of the through-runner is temporarily deflectable to permit passage of a projection on the connector through the through-runner opening as required by claim 11. Likewise, we see nothing in the teachings of Brown which would have suggested the oppositely extending lateral projections of claims 19 and 26. Nor is there anything in the teachings of Sauer, relied upon only in connection with claim 24, which would have made up for the deficiency of Brown.

The examiner's comments notwithstanding, we see nothing in Brown which remotely suggests any need for a temporary deflection of the flange of the through-runner during installation of the cross-runners. When the embodiment illustrated in Figures 8 through 13 is installed, a cross-runner is necessarily pivoted in a direction bringing the flange of the cross-runner from a position located remote from the flange of the through-runner down to a position in contact therewith, as is evident from the installed position illustrated in Figure 13. That is, as viewed in Figure 13, the cross-runner (at right) pivots clockwise into the full line position shown. There is no need for deflection of the flange of the through-runner. A similar analysis applies to the embodiment shown in Figures 1 through 7 of Brown. The end of the cross-runner illustrated in Figure 5 is notched to produce a

shoulder, as at 33, which stops short of the flange 16, providing clearance which permits installation of the cross-runner without any deflection of the flange of the through-runner. It follows, that we do not share the examiner's view that, "temporary deflection may not be discernable in the experts's [sic] eyes, however, this deflection is an inherent feature of Brown's ceiling grid structure" (answer, page 5). Indeed, the Mieval affidavit as to the manner in which the connector of Brown's Figure 13 embodiment engages with the through-runner is consistent with our reading of the Brown disclosure.

The examiner is of the view that because the embodiment of Figures 1 through 7 provides a projection on the bottom, but not on the top, of the connector and because the embodiment of Figures 8 through 14 provides a projection on the top, but not on the bottom of that connector, it would have been obvious to one having ordinary skill in the art to provide the runner as shown in Figure 13 with a lower projection as taught for the Figure 1 embodiment. We see no basis for such a conclusion. Our court of review has repeatedly cautioned against applying hindsight by using the applicant's disclosure as a blueprint to reconstruct the claimed invention out of isolated teachings in the prior art. *e.g.*, *Grain Processing corporation v. American Maize-products Co.*, 840 F.2d 902, 907, 5 USPQ2d 1788, 1792 (Fed. Cir.

1988). That court has also cautioned against focusing on the obviousness of the differences between the claimed invention and the prior art rather than the obviousness of the claimed invention as a whole as §103 requires. See, e.g., *Hybritech, Inc. v. Montoclonal Antibodies, Inc.*, 802 F.2d 1367, 1383, 231 USPQ 81, 93 (Fed. Cir. 1986), cert. denied, 480 US 947 (1987).

REVERSED

BRUCE H. STONER, JR.
Administrative Patent Judge

WILLIAM E. LYDDANE
Administrative Patent Judge

JAMES M. MEYSTER
Administrative Patent Judge

BOARD OF PATENT
APPEALS AND
INTERFERENCES

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

☒ **BLACK BORDERS**

☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**

☐ **FADED TEXT OR DRAWING**

☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**

☐ **SKEWED/SLANTED IMAGES**

☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**

☐ **GRAY SCALE DOCUMENTS**

☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**

☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**

☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.